Use Attainability Analysis

for

WBID 3311 Mill Creek

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program

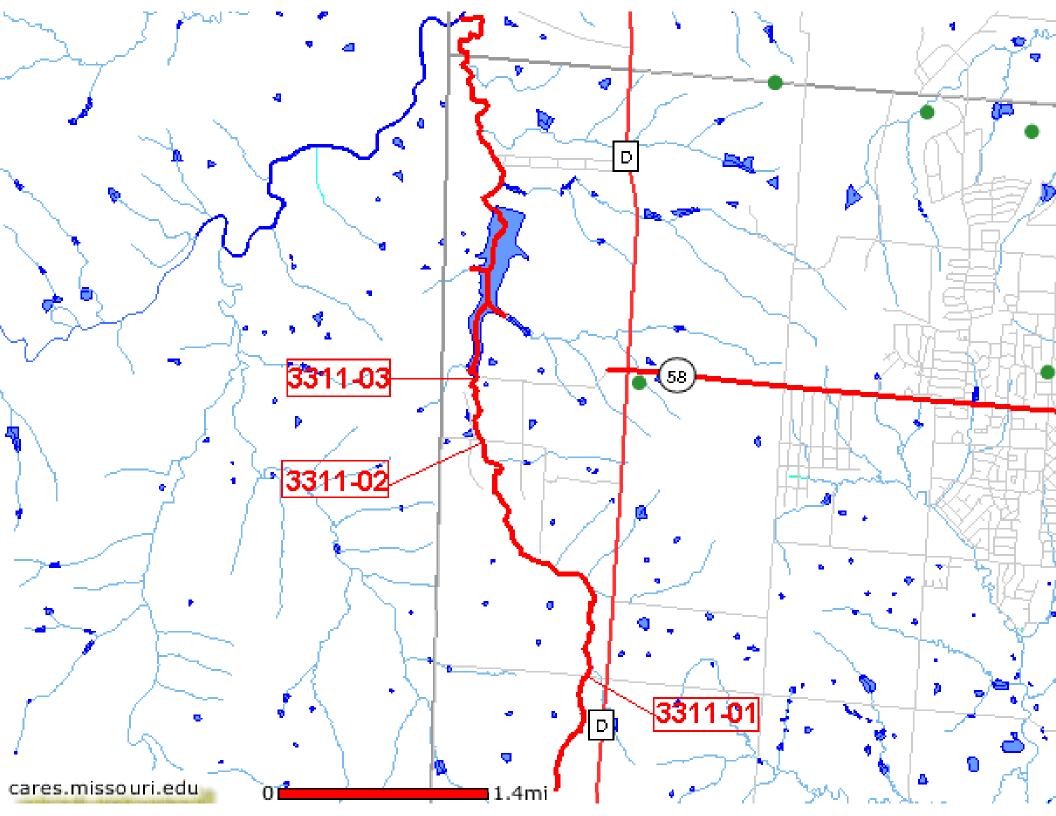
RECEIVED

Field Data Sheets for Recreational Use Stream Surveys #12 -7 FM 1: 58

Water Body Name:
(from USGS 7.5' quad) Mill Creek
8-digit HUC: 10300101
Missouri WBID #: 3311
County: Cass
Upstream Legal Description: Mill Creek and 187th
Downstream Legal Description: Mill Creek and Stone haven
Upstream Coordinates: (UGS 84, ddd.ddddd) N. 38.78881 W. 094. 58976
Downstream Coordinates: N. 38. 81683 W. 094 60 420
Discharger Facility Name(s): Sneads Barbeque
Discharger Permit Number(s): MOOII8 214
Number of Sites Evaluated: 3
Name of Surveyor and Telephone Number: Michael Cunningham 816-622-7016
Organization: MDNR /NCRO
Position: E.S.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Merical a. C. Date: 6/28/0



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 33	311		Site Location D	rescription:	
Site GPS Coordinates:	N. 38. 78881 W. 094. 58976		Mill CK	L 187 th	
Date & Time: 6/2%		0	Facility Name:	Sneeds Barrey	ue
Personnel: M. Cum			Permit Number	MODII8 214	
Current Weather Condit	tions: 70°F+ K	ain		tions for Past 7 days: Hot	Humich
Photo Ids: Upstream:		vnstream: 4			
·					
es Observed*:		<u>i</u>			·
☐ Swimming	☐ Skin diving	S(CUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	□ Bo	oating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fis	shing	None of the above	☐ Other:
Describe: (include num			, , .		
rrounding Conditio		promote or in		uses. Attach photos of evide	
rrounding Conditio		1			, , , , , , , , , , , , , , , , , , ,
rrounding Conditions of interest.)	ns*: (Mark all that	1	npede recreational onservation lands	uses. Attach photos of evide	nce or unusua!
rrounding Conditions of interest.)	ns*: (Mark all that □ Playgrounds	☐ MDC co	npede recreational conservation lands	uses. Attach photos of evide	nce or unusual □ Campgrounds
crrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that □ Playgrounds □ State parks Fence	☐ MDC co	npede recreational conservation lands	uses. Attach photos of evide Urban areas Nature trails	nce or unusual □ Campgrounds
crrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that □ Playgrounds □ State parks Fence	☐ MDC co	npede recreational conservation lands	uses. Attach photos of evide Urban areas Nature trails	nce or unusual □ Campgrounds
rrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that Playgrounds State parks Fence	☐ MDC co ☐ Nationa ☐ Steep sle	onservation lands I forests opes	uses. Attach photos of evide Urban areas Nature trails Other:	Campgrounds Stairs/walkway

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

September 29, 2004

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

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	h (ft): h (ft):	Length (ft):						
≱Pool Widt		• '		Avg. Depth (ft):		Max. Depth	(ft):	
· · · · · · · · · · · · · · · · · · ·		Length (ft):	· · • · · ·	Avg. Depth (ft):		Max. Depth	(ft):	
Flow Prese	h (ft):	Length (ft);	4	Avg. Depth (ft):	1/2	Max. Depth	(ft): 1/Z	
	nt? 🗆 Yes	No .		Estimated (ft³/sec):				
Downstream V	iew Physica	l Dimensions:						
	h (ft):	Length (ft):		Avg. Depth (ft):		Max. Depth		
□ Run Widt	h (ft):	Length (ft):		Avg. Depth (ft):		Max. Depth	(ft):	
⊠ Pool Widt	h (ft): 10	Length (ft):	20	Avg. Depth (ft);	1	Max. Depth	(ft); Z	_
Flow Prese	nt? □ Yes	€2TNo		Estimated (ft³/sec):	•	·		
strate*: (These		add up to 100%.) % Gravel	Ø % Sand	0 %5	Silt	50% Mud/Clay	⊘ % Bed	lrocl
ter Characteri								
Odor:	□ Sewage	☐ Musky	□ Che	<u> </u>		☐ Other:		
Odor: Color:	□ Sewage ∠Clear	☐ Musky	□ Che	y	ilky	□ Other:		
Odor:	□ Sewage	☐ Musky	□ Gra		ilky			

3311_001 DS













3311_001 US





06/28/2005

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#: 3	311		Site Location D	escription: UZ	
Site GPS Coordinates:	N. 38 81093 W. 094,60331	· · · · · · · · · · · · · · · · · · ·	Mill Co	cex + 177 t	± 175±5
Date & Time: 6/24	K/05@ 8:30	2	Facility Name:		
Personnel: M. Guar	inham		Permit Number:	MO 0118214	<i>V</i>
Current Weather Condi		rinkles	Weather Condit	ions for Past 7 days: Rai	in AM ruise hot themid
Photo Ids: Upstream;		vnstream: 10		r: 1.5	
	• •		•		
Jses Observed*:	T		-	<u> </u>	
☐ Swimming	☐ Skin diving		UBA diving	Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Bos	ating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fish	ning	None of the above	☐ Other:
	iber of individuals rec		,,		
iurrounding Conditio				uses. Attach photos of evider	nce or unusual
Surrounding Conditio		promote or imp			nce or unusual
Surrounding Condition	ons*: (Mark all that p	promote or imp	pede recreational t	uses. Attach photos of evider	<u></u>
Surrounding Condition tems of interest.)	ons*: (Mark all that p	promote or im	pede recreational to nservation lands forests	uses. Attach photos of eviden Urban areas Nature trails	☐ Campgrounds . ☐ Stairs/walkway
Surrounding Condition tems of interest.) □ City/county parks □ Boating accesses	Playgrounds State parks	oromote or important of the management of the ma	pede recreational to nservation lands forests	uses. Attach photos of eviden	☐ Campgrounds . ☐ Stairs/walkway
Surrounding Condition tems of interest.) □ City/county parks □ Boating accesses □ No trespass sign	Playgrounds State parks	oromote or important MDC con	pede recreational to nservation lands forests	uses. Attach photos of eviden Urban areas Nature trails	☐ Campgrounds . ☐ Stairs/walkway
Surrounding Condition tems of interest.) City/county parks Boating accesses No trespass sign	Playgrounds ☐ Playgrounds ☐ State parks ☑ Fence	Dromote or important of the promote or important or importan	pede recreational to nservation lands forests pes	Urban areas Nature trails	□ Campgrounds □ Stairs/walkway □ Cold to West

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Upstream View □ Riffle Width Run Width □ Pool Width Flow Present	(ft):	Length (ft):					
□ Pool Width	(ft); 8			Avg. Depth	(ft):	Max. Depth	(ft):
		Length (ft):	20	Avg. Depth	(ft): 1/2		• •
Flow Present	(ft):	Length (ft):	- •	Avg. Depth	· · · · · · · ·	Max. Depth	
	t? 🗆 Yes	D X(No		Estimated (f	t³/sec):		
Downstream Vie	ew Physical I	imensions:					
☐ Riffle Width	(ft):	Length (ft):		Avg. Depth	(ft);	Max, Depth	(ft):
□ Run Width	(ft):	Length (ft):		Avg. Depth	(ft):	Max, Depth	(ft):
Pool Width	(ft): 7	Length (ft):	ZO	Avg. Depth	(ft): Z	Max, Depth	(ft): 4
Flow Present	t? □ Yes _	No		Estimated (f	t³/sec):		
-home Alga -banko mod ter Characteris							
Odor:	☐ Sewage	☐ Musky	Ü Ch	emical	None	Other:	~
Color:	Clear	□ Green	□ Gr	ay	🗆 Міїку	C Other:	
Bottom Deposit:	☐ Studge	□ Solids	☐ Fir	ie sediments	None	☐ Other:	-
Surface Deposit:	□ Oii	□ Scum	□ Fo	am	None	☐ Other:	
	to be used solely	y for removal of a onditions. Conse	a recreation	nal use desigr his informatio	nation but n on is not int	interviews) to this a ather is to provide a ma anded to directly influe	ore
prehensive understa sion on the recreation ne undersigned, asheet is true ar	n use analysis bi hereby affiri			nowledge, t	hat all in	or that effect another to	156.
prehensive understa sion on the recreation ie undersigned,	n use analysis b hereby affiri			nowledge, t Date:_	hat all in	formation report	156.

















Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#: 3	3 11		Site Location	Description: 03	
Site GPS Coordinates:	N. 36. 21663	,	Mill G	rek + Stoneho	aven
Date & Time: 6/28/			Facility Name	Snords Bartege	æ
Personnel: M. Cunn			Permit Numbe	E MOOII 8214	
Current Weather Condit	ions: 750f + Mosi	t. Cloudy	Weather Cond	itions for Past 7 days:	in AM
Photo Ids: Upstream:	3,14,16 Dov	vnstream; /6	17.18 00	ner: —	
O: 34	•	-			
ses Observed*:				<u> </u>	T_
	☐ Skin diving	□ SC	UBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	□ Bo	ating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fis		None of the above	☐ Other:
Describe: (include number of the section of the sec				boat dock pres	
While No act	inty was de	rewed,	deel is a		ent with
While No act	inty was de	promote or in	deel is a	boot dock pres	ent with
Thile to act 7 pouton be arrounding Condition ms of interest.)	unity was obtained. IS*: (Mark all that p	promote or in	npede recreations	Uses. Attach photos of evide	ent with
pontion be rrounding Condition ms of interest.)	ns*: (Mark all that	promote or in	npede recreations	l uses. Attach photos of evide	ent with
Thill to act. 7 pontion to arrounding Condition ms of interest.) City/county parks Boating accesses	Is*: (Mark all that p	promote or im	npede recreations	uses. Attach photos of evide	ent (with
Trounding Condition ms of interest.) City/county parks Boating accesses No trespass sign	Is*: (Mark all that p	promote or im MDC co	npede recreations	uses. Attach photos of evide	ent with
Thill to act 7 pontion be arrounding Condition ms of interest.) City/county parks Boating accesses No trespass sign vidence of Human Us	ns*: (Mark ail that parks Playgrounds State parks Fence	promote or im MDC cc Nationa Steep ske	mpede recreations onservation lands i forests opes	Uses. Attach photos of evide	campgrounds

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

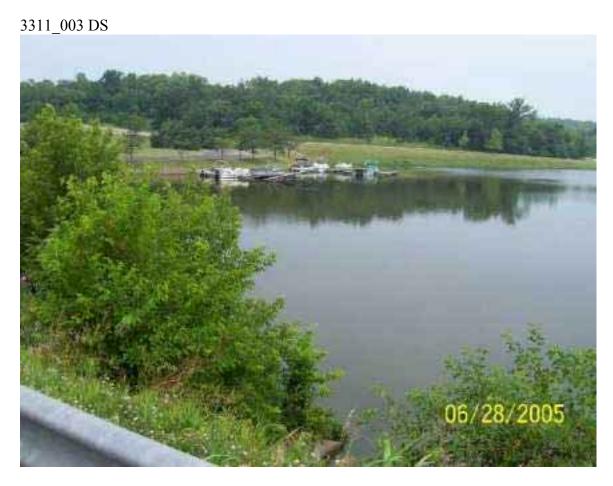
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☐ Riffte Widt	th (ft):		Length (ft);		Avg. Depth (ft):		Max. De	pth (ft):		
Run Widt	th (ft):	15	Length (ft):	150	Avg. Depth (ft): 2	<u>z</u>	Max. De	pth (ft):	4	
□ Pool Wide	th (ft):		Length (ft):		Avg. Depth (ft):		Max, De	pth (ft):		
Flow Prese	ent?	☐ Yes	ØN₀		Estimated (ft	/sec):	-				
Downstream V	/iew Pl	ivsical	Dimensions:								
	th (ft):		Length (ft):		Avg. Depth (ft):		Max. De	pth (ft):		
□ Run Widt	th (ft):	<u> </u>	Length (ft):		Avg. Depth (ft): 100	Deep est.	Max. De	pth (ft):	700 0	
Pool Wide	th (ft):		Length (ft):		Avg. Depth (Max. De	pth (ft):	, <u> </u>	· · · · ·
Flow Prese	ent?	☐ Yes	I S€No		Estimated (ft ²	/sec);					
h-44-4											
bstrate*: (Thes			dd up to 100%.) Gravel	() % Sand	. 1	2 % Silt		% Mud/Cl	1	⊘ %B	
											edroc
-algal ge	on*: (n	ote amou	nt of vegetation	or algal grow							edroci
ater Character	on*: (no	geow	all that apply.)	or algal grow	rth at the asses	ssment si	te)				edroci
ater Character	on*: (n	Jewe (Mark a	all that apply.)	or algal grow	rth at the asser	Sament si	te)	□ Other:			edroc
ater Character Odor: Color:	on*: (n	General Services (Mark 2)	all that apply.) Musky Green	or algal grow	rth at the asser	ssment si	te)	☐ Other:			
ater Character Odor: Color: Bottom Deposit:	on*: (n	Jewe (Mark a	all that apply.)	or algal grow	rth at the asser	Sament si	te)		und	we to	
ater Character Odor: Color: Bottom Deposit: Surface Deposit:	istics*	General Services (Mark a sewage licar lidge	all that apply.) Musky Green Solids Scum	or algal grow ☐ Che ☐ Gra ☐ Fine	emical	None None None	y	Other:	una de	We to	
ater Character Odor: Color: Bottom Deposit:	ristics* S C Se attacl not to be standing nion use d, here	(Mark a ewage ilear ludge iil n addition used sole of water analysis	all that apply.) Musky Green Solids Scum Onal commented for removal of conditions. Combut may point to	Che Gra Fine Foa s (including farecreation sequently, the conditions the	emical emical g informational use designations information that need further	None None None on from ation but is not in er analysi tat all i	intervie	Other: Other: Other: oprovide: directly in effect anoth	is form	6/2 +0), n e





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